IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claims 1-87 (canceled).

88.   (currently amended)In a computer system having a plurality of computers connected to each other and a plurality of shared disks, each of said plurality of shared disks being coupled to at least one of said plurality of computers, each of said plurality of computers comprising:

a processor for issuing a disk request to said plurality of shared disks for requestingto access to one of said shared disks; and

a disk request processing section, separate from said processor, which for processing said disk request issued to said plurality of shared disks,

wherein receives said disk request from the processor, determines processing section processes said disk request to determine whether said disk request requests access to a shared disk connected to said computer or requests access to a shared disk connected to another computer and sends said disk request to the shared disk connected to said computer if said disk request requests access to the shared disk connected to said computer, and sends said disk request to said another computer to access a shared disk connected to said another computer if said disk request requests access to the shared disk connected to said another computer.

89.   (previously presented)   A computer according to claim 88, wherein said disk request processing section further comprises:

a memory for storing structural definition information which describes a structure of said computer system including connections between said computers and said shared disks; and

a disk request judging section for judging which shared disk is requested by said disk request according to said structural definition information.

90.   (previously presented)   A computer according to claim 89, wherein said disk request processing section further comprises:

a disk request acceptance judging section for checking whether the sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

91.   (previously presented)   A computer according to claim 89, wherein said structural definition information includes information indicating a correspondence between each of said plurality of shared disks and a plurality of identifiers.

92.   (previously presented)   A computer according to claim 88, wherein said disk request processing section comprises:

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a remote processing disk request section for issuing a remote disk request to said another computer to access the shared disk connected to said another computer.

93. (previously presented) A computer system comprising:

a plurality of computers as defined in claim 88; and

a computer coupling mechanism which connects said plurality of computers to each other,

wherein said each of said plurality of computers sends said disk request to said computer coupling mechanism if a shared disk to which access is requested is connected to another computer connected to said computer coupling mechanism.

94. (previously presented) A computer system according to claim 93, wherein said disk request processing section further comprises:

a memory for storing structural definition information which describes a structure of said computer system; and

a disk request judging section for judging which shared disk to which access is requested by said disk request according to said structural definition information.

95. (previously presented) A computer system according to claim 94, wherein said disk request processing section further comprises:

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a disk request acceptance judging section for checking whether the sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

96.   (currently amended)In a computer system having a plurality of computers coupled ~~connected~~ to each other and a plurality of shared disks each being coupled to one of said plurality of computers, ~~and~~ said each of said plurality of computers comprises: ~~includes~~

a processor ~~and~~ which outputs a disk request for requesting access to said plurality of shared disk; and

a disk request processing section, separate from said processor, which controls access to said ~~plurality of~~ shared disks based on said disk request from said processor,

wherein said disk request processing section comprises:

a memory for storing structural definition information which describes a structure of said computer system including connections between said computers and said shared disks; and

a disk request judging section for judging whether a~~said~~ disk request received from said processor requests access to a shared disk connected to said

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computer or requests access to a shared disk connected to another computer ~~according~~ |
~~to~~based on said structural definition information. |

97.   (previously presented)   A disk request processing section according to claim 96, wherein said disk request processing section further comprises:

a disk request acceptance judging section for checking whether a sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

98.   (previously presented)   A disk request processing section according to claim 96, wherein said structural definition information includes information indicating a correspondence between of said shared disks and a plurality of identifiers.

99.   (previously presented)   A disk request processing section in claim 96, wherein said disk request processing section comprises:

a remote processing disk request section for issuing a remote request to another computer to access the shared disk connected to said another computer if access is requested to the shared disk connected to said another computer.

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100.   (currently amended)In a computer system having a plurality of computers connected coupled to each other and a plurality of shared disks each being coupled to one of said plurality of computers, each of said plurality of computers executes a computer program for controlling access to said plurality of shared disks to be accessed, said computer program comprising:

a first code for receiving a disk request from a processor in said computer requesting access to said shared disks,

a second code for causing said computer to determine whether a said disk request received from said processor requests access to a shared disk connected to said computer or requests access to a shared disk connected to another computer; and

a second third code for causing said computer to send said disk request received from said processor to said shared disk connected to said computer if said disk request received from said processor requests access to said shared disk connected to said computer, and to send said disk request received from said processor to said another computer if said disk request received from said processor requests access to said shared disk connected to said another computer.

101.   (currently amended)A computer program according to claim 100, further comprising:

a thirdfourth code for causing said computer to store structural definition information in a memory, said structural definition information describes a structure of

said computer system including connections between said computers and said shared disks;

a fifthfourth code for causing said computer to check whether said disk request requests access to the shared disk connected to said another computer according to structural definition information; and

a sixthfifth code for causing said computer to send said disk request to said another computer if said disk request requests access to the shared disk connected to said another computer.

102. (previously presented) A computer program according to claim 101, wherein said structural definition information includes information indicating a correspondence between each of said plurality of shared disks and a plurality of identifiers.

103. (previously presented) A computer program according to claim 100, wherein said second code comprises:

a code for causing said computer to issue a remote disk request to said another computer to access the shared disk connected to said another computer if access is requested to the shared disk connected to said another computer.

104. (currently amended)In a computer system having a plurality of computers connected coupled to each other and a plurality of shared disks each being coupled to

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one of said plurality of computers~~, and~~ each of said plurality of computers comprises: ~~includes~~

a processor which outputs a disk request for requesting an access to said plurality of shared disks; and

a disk request processing section, separate from said processor, which controls access to said ~~plurality of~~ shared disks based on said disk request from said processor,

wherein said disk request processing section comprises:

a memory for storing structural definition information which describes a structure of said computer system including connections between said computers and said shared disks~~;~~,

a request controller for receiving said ~~a processing~~ disk request from ~~the~~ said processor for a disk which is one of said shared disks~~;~~, and

a disk request judging section for judging whether ~~a~~ said disk request received from said processor requests access to a shared disk connected to said computer or requests access to a shared disk connected to another computer ~~according to~~ based on said structural definition information.

105.   (new) A computer according to claim 88, further comprising:

a controller which controls said shared disk connected to said computer,

wherein said disk request processing section receives a disk request from said another computer, and said controller accesses said shared disk connected to said

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computer when said disk request from said another computer requests access to the shared disk connected to said computer.

106.   (new) A computer according to claim 96, wherein said disk request processing section receives a disk request from the disk request processing section of said another computer.

107.   (new) A computer program according to claim 100, further comprising:

a fourth code for receiving a disk request from said another computer,

a fifth code for causing said computer to access said shared disk connected to said computer when said disk request from said another computer requests access to said shared disk connected to said computer.